

Biology Toolkit: Indicator 1.5.4

Student Handout: Biology: Indicator 1.5.4

Goal 1.0 Skills And Processes

Expectation 1.5 The student will use appropriate methods for communicating in writing and orally the processes and results of scientific investigation.

Indicator 1.5.4 The student will use tables, graphs, and displays to support arguments and claims in both written and oral communication.

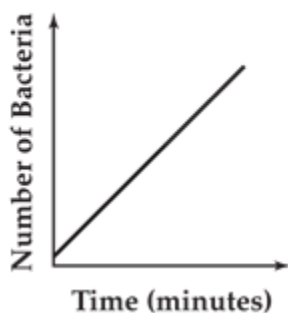
Public Release - Selected Response Item - Released in 2009

Biology Indicator 1.5.4

A population of bacteria, starting with a single cell, can double in number every twenty minutes. Which of the following graphs best shows the relationship between number of bacteria and time?

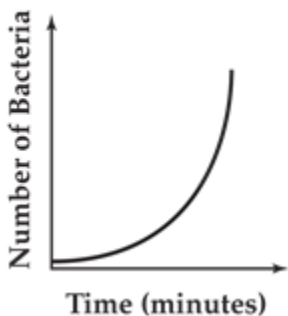
A.

BACTERIAL GROWTH OVER TIME

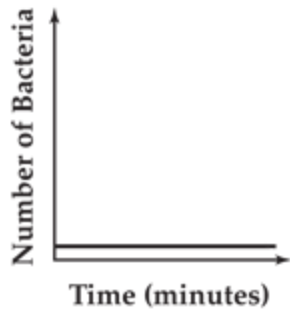


B.

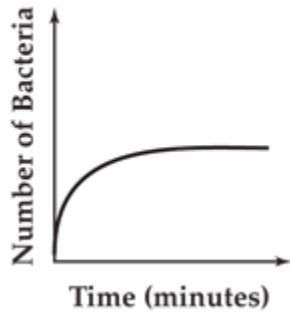
BACTERIAL GROWTH OVER TIME



C.

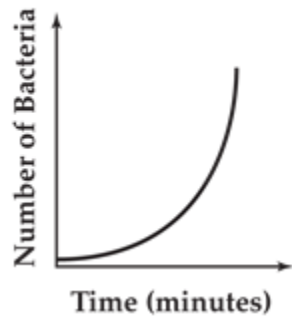
**BACTERIAL GROWTH
OVER TIME**

D.

**BACTERIAL GROWTH
OVER TIME**

Correct Answer

B.

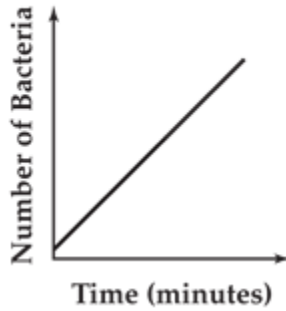
**BACTERIAL GROWTH
OVER TIME**

Item

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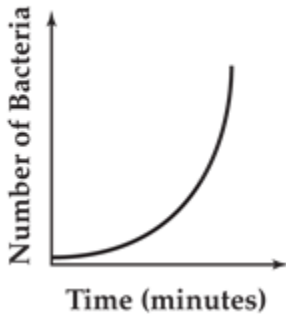
A.

**BACTERIAL GROWTH
OVER TIME**



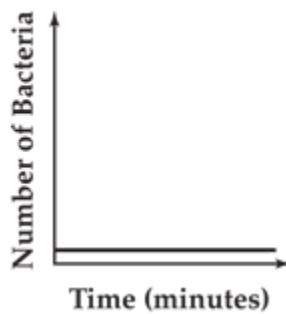
B.

**BACTERIAL GROWTH
OVER TIME**



C.

**BACTERIAL GROWTH
OVER TIME**



D.

**BACTERIAL GROWTH
OVER TIME**